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38834 7590 01/06/2011 WESTERMAN, HATTORI, DANIELS & ADRIAN, LLP 1250 CONNECTICUT AVENUE, NW SUITE 700			EXAMINER	
			HOLLOWAY III, EDWIN C	
WASHINGTON, DC 20036			ART UNIT	PAPER NUMBER
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## Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)			
	10/581,726	TSUKAMOTO, YUTAKA			
Office Action Summary	Examiner	Art Unit			
	Edwin C. Holloway, III	2612			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA  - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period w  - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim will apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N.  lely filed  the mailing date of this communication.  O (35 U.S.C. § 133).			
Status					
<ul> <li>1) ☐ Responsive to communication(s) filed on 03 No.</li> <li>2a) ☐ This action is FINAL. 2b) ☐ This</li> <li>3) ☐ Since this application is in condition for allowant closed in accordance with the practice under E</li> </ul>	action is non-final. nce except for formal matters, pro				
Disposition of Claims					
4) ☐ Claim(s) 1-6,9-16,30 and 47-57 is/are pending 4a) Of the above claim(s) is/are withdrawr 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-6,9-14,30 and 47-57 is/are rejected. 7) ☐ Claim(s) 15 and 16 is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or	n from consideration.				
Application Papers					
9) The specification is objected to by the Examiner  10) The drawing(s) filed on is/are: a) access Applicant may not request that any objection to the off Replacement drawing sheet(s) including the correction of the off the oath or declaration is objected to by the Examiner	epted or b) objected to by the Edrawing(s) be held in abeyance. See on is required if the drawing(s) is obj	e 37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119					
<ul> <li>12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>a) All b) Some * c) None of:</li> <li>1. Certified copies of the priority documents have been received.</li> <li>2. Certified copies of the priority documents have been received in Application No</li> <li>3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).</li> <li>* See the attached detailed Office action for a list of the certified copies not received.</li> </ul>					
Attachment(s)  1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08)	4)	ate			
Paper No(s)/Mail Date 6) U Other:					

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### **EXAMINER'S RESPONSE**

1. In response to the application filed 05 June 2006 and the amendment filed 03

November 2010, the amendment has been entered and the application has been examined.

Claims 1-6, 9-16, 30 and 47-57 are pending. The examiner has considered the presentation of claims in view of the disclosure and the present state of the prior art. And it is the examiner's position that the claims are unpatentable for the reasons set forth in this Office action:

### **Election/Restrictions**

2. Applicant's election without traverse of Group I (claims 1-16 and 24-34 in the reply filed on 19 October 2010 is acknowledged.

## **Claim Objections**

3. Claims 15 and 16 are objected to under 37 CFR 1.75(c) as being in improper form because a multiple dependent claim may not depend from a multiple dependent claim.

See MPEP § 608.01(n). Accordingly, the claims 15 and 16 have not been further treated on the merits.

# Claim Rejections - 35 USC § 112

- 4. The following is a quotation of the second paragraph of 35 U.S.C. 112:

  The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the
  - subject matter which the applicant regards as his invention.
- 5. Claims 1- 6,9-14,30,50, and 55-57 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the

subject matter which applicant regards as the invention.

In claims 1,3-6,9,12 and 14 "variable type identifier" is unclear because the addition of the word "type" to an otherwise definite expression (e.g., Friedel-Crafts catalyst) extends the scope of the expression so as to render it indefinite. Ex parte Copenhaver, 109 USPQ 118 (Bd. App. 1955). Likewise, the phrase "ZSM-5-type aluminosilicate zeolites" was held to be indefinite because it was unclear what "type" was intended to convey. The interpretation was made more difficult by the fact that the zeolites defined in the dependent claims were not within the genus of the type of zeolites defined in the independent claim. Ex parte Attig, 7 USPQ2d 1092 (Bd. Pat. App. & Inter. 1986). MPEP 2173.05(a).

In claims 2 and 9, "causing such a different person identical identifier transmission phenomenon that identical identifiers are transmitted" is confusing because "different" is the opposite of "identical."

Claim 9 lacks proper antecedent basis for "said variable type identifier generation unit" in line 4.

Claims 12/10 and 12/11 lack proper antecedent basis for "said variable type identifier generation unit" in line 6.

Claim 30 lacks proper antecedent basis for "said privacy protection identifier transmitter of the stranger" in line 6.

Claim 50 lacks proper antecedent basis for "said privacy protection identifier transmitter of the stranger" in line 4-5 and 6-7.

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### Claim Rejections - 35 USC § 101

6. 35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

7. Claims 30 and 54-57 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter. Claims 30 and 54-57 are directed to a storage medium that may be transitory. Transitory media corresponds to a signal that is non-statutory subject matter. See the Official Gazette Notice 1351 OG 212, February 23, 2010.

## Claim Rejections - 35 USC § 103

- 8. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
  - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 9. Claim 1,5,6 and 14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Weis (Security and Privacy in Radio-Frequency Identification Devices) in combination with and Saliga (US 5673034).

Regarding claim 1, Weis discloses a privacy protection method for preventing an invasion of privacy performed by reading an proper identifier and on the basis of said proper identifier, including: an identifier guard step of bringing an proper identifier of a radio identifier transmitter affixed to an article purchased and thereby possessed by a

personal user into an identifier guard state not readable by a stranger according to the intention of said personal user; an identifier generation step of generating an identifier for disturbing a privacy invader with a privacy protection identifier transmitter possessed by said personal user; a transmission step of transmitting said identifier generated through said identifier generation step from said privacy protection identifier transmitter when receiving an identifier transmission request; and a reading step of rendering the identifier of said radio identifier transmitter in the identifier guard state readable according to the intension of the personal user wherein said identifier generation step includes a variable type identifier generation step capable of generating an identifier different from a precedently transmitted identifier in pages 37-55. Weis discloses a temporary ID (meta ID) that is randomized for privacy (pages 37-38). This randomized version may be engaged for consumer privacy upon purchase (page 41). Weis discloses a radio identifier transmitter (tag) retains the same random pseudo ID for a tree traversal session (page 54), but Weis does not expressly disclose said transmission step transmits the same identifier as a precedently transmitted identifier when receiving an identifier transmission request again within a prescribed time from precedent identifier transmission. Saliga discloses an analogous art security method and system with a radio ID transmitter replying to interrogation by transmitting time varying pseudo identification codes that remain the same for a prescribed time and are changed after the prescribed time to avoid intercept of ID by a thief or other attacker. See the abstract, col. 1 lines 1-55 and col. 6 line 63 - col. 7 line 41.

Regarding claim 1, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have included in Weis the time varying codes of Saliga to avoid intercept of ID by a thief or other attacker and suggested by the ID in Weis remaining the same for at least a session.

Regarding claim 5, a device for transmitting an identifier for privacy protection for preventing an invasion of privacy performed by reading an proper identifier and on the basis of said proper identifier, including: a variable type identifier generation unit, which is a unit disturbing a privacy invader and generating an identifier for privacy protection, capable of generating an identifier different from a precedently transmitted identifier; an a transmission unit transmitting an identifier generated by said variable type identifier generation unit when receiving an identifier transmission request, wherein said transmission unit transmits the same identifier as a precedently transmitted identifier when receiving an identifier transmission request again within a prescribed time from precedent identifier transmission would have been obvious for the same reasons applied above to claim 1.

Regarding claim 6, said variable type identifier generation unit generates said identifier in the range of identifiers transmitted by the respective ones of radio identifier transmitters affixed to the respective ones of already sold articles would have been obvious in view of Weis disclosing ID adjustment is engaged upon purchase (page 37).

Regarding claim14, said transmission unit is capable of simultaneously transmitting a plurality of identifiers of a number larger than a prescribed number of

identifiers simultaneously transmitted from the privacy protection identifier transmitter of the stranger, and said variable type identifier generation unit generates an identifier, excluding said prescribed number of identifiers, included in said plurality of identifiers as said common identifier would have been obvious in view of Woolley disclosing communicating the data in the data table (col. 30).

10. Claim 2-4,9,10,30,47-51,54 and 55 are rejected under 35 U.S.C. 103(a) as being unpatentable over Weis (Security and Privacy in Radio-Frequency Identification Devices) in combination with and Woolley (US 5959568).

Regarding claim 2, Weis discloses a privacy protection method for preventing an invasion of privacy performed by reading an proper identifier of a radio identifier transmitter affixed to an article purchased and thereby possessed by a personal user and on the basis of said proper identifier, including: an identifier generation step of generating an identifier for disturbing a privacy invader with a privacy protection identifier transmitter possessed by said personal user; and a transmission step of transmitting said identifier generated through said identifier generation step from said privacy protection identifier transmitter when receiving an identifier transmission request, wherein said identifier generation step includes an adjusted identifier generation step for generating an adjusted identifier (random pseudo ID) in pages 37-55. Weis discloses a temporary ID (meta ID) that is randomized for privacy (pages 37-38). This randomized version may be engaged for consumer privacy upon purchase (page 41). Weis does not expressly

disclose an identifier so adjusted that an identifier transmitted from said personal user possessing said privacy protection identifier transmitter is identical to an identifier transmitted from a stranger in response to the identifier transmission request, for causing such a different person identical identifier transmission phenomenon that identical identifiers are transmitted even in case of transmission from different persons.

Woolley discloses an analogous art tag method and system where tags share ID information with neighboring tags so that the ID information may be communicated beyond the range of a single tag. See col. 12 lines 9-17, cols. 30 and 34. The tags include microprocessor 100 and memory 104/160 that is considered to store programming as is conventional in the microprocessor art.

Regarding claim 2, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have included in Weis identifier so adjusted that an identifier transmitted from said personal user possessing said privacy protection identifier transmitter is identical to an identifier transmitted from a stranger in response to the identifier transmission request, for causing such a different person identical identifier transmission phenomenon that identical identifiers are transmitted even in case of transmission from different persons in view of Woolley disclosing tags sharing ID information with neighboring tags so that the ID information may be communicated beyond the range of a single tag

Regarding claim 3, a privacy protection method for preventing an invasion of privacy performed by reading an proper identifier and on the basis of said proper

identifier, including: a provision step of providing privacy protection identifier transmitters to a plurality of personal users, wherein said privacy protection identifier transmitters include: an identifier generation unit generating an identifier for disturbing a privacy invader; and a transmission unit transmitting said identifier generated by said identifier generation unit when receiving an identifier transmission request, said identifier generation unit includes a variable type identifier generation unit capable of generating an identifier different from a precedently transmitted identifier, said variable type identifier generation unit is capable of generating a common identifier according with an identifier transmitted from said privacy protection identifier transmitter possessed by a person different from persons possessing said privacy protection identifier transmitters generating and transmitting identifiers with said variable type identifier generation unit, said plurality of privacy protection identifier transmitters are classified into a plurality of groups formed by privacy protection identifier transmitters transmitting said common identifier in a higher frequency as compared with an identifier of a stranger and having said common identifier varying with groups, and said provision step specifies an area every said group and provides said privacy protection identifier transmitters belonging to said group to the personal users would have been obvious for the same reasons applied above to claim 2.

Regarding claim 4, a privacy protection method for preventing an invasion of privacy performed by reading an proper identifier and on the basis of said proper identifier, including: a provision step of providing a privacy protection identifier

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transmitter to a plurality of personal users, wherein said privacy protection identifier transmitter includes: an identifier generation unit generating an identifier for disturbing a privacy invader, and a transmission unit transmitting said identifier generated by said identifier generation unit when receiving an identifier transmission request, said identifier generation unit includes a variable type identifier generation unit capable of generating an identifier different from a precedently transmitted identifier, and said variable type identifier generation unit is capable of generating a common identifier according with an identifier transmitted from a privacy protection identifier transmitter possessed by a person different from a person possessing the privacy protection identifier transmitter generating the identifier with said variable type identifier generation unit, for simultaneously transmitting a previously set prescribed number of identifiers from a privacy protection transmitter provided to a certain personal user through said provision step, and simultaneously transmitting a plurality of identifiers of a number larger than said prescribed number from a privacy protection identifier transmitter provided to another personal user different from said certain personal user through said provision step and generating another identifier, excluding said prescribed number of identifiers, included in said plurality of identifiers as said common identifier would have been obvious for the same reasons applied above to claim 2.

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Regarding claim 47, a device for transmitting an identifier for privacy protection for preventing an invasion of privacy performed by reading an proper identifier of a radio identifier transmitter affixed to an article purchased and thereby possessed by a personal

user and on the basis of said proper identifier, including: an identifier generation unit generating an identifier for disturbing a privacy invader; and a transmission unit transmitting said identifier generated by said identifier generation unit when receiving an identifier transmission request, wherein said identifier generation unit includes an adjusted identifier generation unit for generating an adjusted identifier so adjusted that an identifier transmitted from said personal user possessing said privacy protection identifier transmitter is identical to an identifier transmitted from a stranger by communicating with a privacy protection identifier transmitter of said stranger and exchanging information of mutual identifiers, and said transmission unit transmits the adjusted identifier generated by said adjusted identifier generation unit would have been obvious for the same reasons applied above to claim 2.

Regarding claim 48, a device for transmitting an identifier for privacy protection for preventing an invasion of privacy performed by reading an proper identifier of a radio identifier transmitter affixed to an article purchased and thereby possessed by a personal user and on the basis of said proper identifier, including: an identifier generation unit generating an identifier for disturbing a privacy invader; and a transmission unit transmitting said identifier generated by said identifier generation unit when receiving an identifier transmission request, wherein said identifier generation unit includes an adjusted identifier generation unit for generating an adjusted identifier so adjusted that an identifier transmitted from said personal user possessing said privacy protection identifier transmitter is identical to an identifier transmitted from a stranger, and, said transmission

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unit transmits the adjusted identifier generated by said adjusted identifier generation unit would have been obvious for the same reasons applied above to claim 2.

Regarding claim 49, a device for transmitting an identifier for privacy protection for preventing an invasion of privacy performed by reading an proper identifier of a radio identifier transmitter affixed to an article purchased and thereby possessed by a personal user and on the basis of said proper identifier, including: a memory; and a processor operating in accordance with a program stored in said memory, wherein said processor executes: processing of generating an identifier for disturbing a privacy invader; and processing of transmitting said identifier generated through said processing of generating the identifier when receiving an identifier transmission request, wherein said processing of generating the identifier includes adjusted identifier generation processing for generating an adjusted identifier so adjusted that an identifier transmitted from said personal user possessing said privacy protection identifier transmitter is identical to an identifier transmitted from a stranger, and said processing of transmitting said identifier transmits the adjusted identifier generated through said adjusted identifier generation processing would have been obvious for the same reasons applied above to claim 2.

Regarding claim 54, a storage medium storing a program for preventing an invasion of privacy performed by reading an proper identifier and on the basis of said proper identifier, for making a computer provided on a privacy protection identifier transmitter function as: identifier generation means generating an identifier for disturbing a privacy invader; and transmission means transmitting said identifier generated by said

identifier generation means when receiving an identifier transmission request, wherein said identifier generation means includes adjusted identifier generation means for generating an adjusted identifier so adjusted that an identifier transmitted from said personal user possessing said privacy protection identifier transmitter is identical to an identifier transmitted from a stranger, for making the computer function so that the adjusted identifier generated by said adjusted identifier generation means is transmitted by said transmission means would have been obvious for the same reasons applied above to claim 2.

Regarding claim 9, the device including a communication unit communicating with a privacy protection identifier transmitter of a stranger, wherein said variable type identifier generation unit includes an identifier storage unit storing an identifier, said communication unit includes: a transmission unit communicating with said privacy protection identifier transmitter of the stranger and transmitting said identifier stored in said identifier storage unit to said privacy protection identifier transmitter of the stranger, a receiving unit receiving an identifier transmitted from said privacy protection identifier transmitter of the stranger, and a shared identifier storage unit storing the identifier received by said receiving unit in said identifier storage unit and sharing the same identifier with said stranger, and said adjusted identifier generation unit generates said identifier adjusted to accord with the identifier transmitted from the stranger by reading the shared identifier stored in said identifier storage unit through said shared identifier storage unit when receiving an identifier transmission request~ for causing such a

different person identical identifier transmission phenomenon that identical identifiers are transmitted even in case of transmission from different persons by transmitting said adjusted identifier from mutual privacy protection identifier transmitters in which information of said identifiers is exchanged would have been obvious for the same reasons applied above to claim 2.

Regarding claim 10, said communication unit, whose communicable communication limit range for transmitting/receiving and exchanging mutual identifiers is set within 20 meters, communicates with the privacy protection identifier transmitter of the stranger entering the area of said communicable communication limit range and exchanges mutual identifiers with each other would have been obvious in view of the Weis disclosing distance of several meters (p 11), near field of 3.52 meters (page 21), short range (p 25) and/or 3 meter operating range (p 34).

Regarding claim 50, said adjusted identifier generation processing includes identifier storage processing of storing an identifier in said memory, for communicating with said privacy protection identifier transmitter of the stranger and making said privacy protection identifier transmitter of the stranger transmit said identifier stored in said memory while receiving the identifier transmitted from said privacy protection identifier transmitter of the stranger and making said memory store the same through said identifier storage processing for sharing the same identifier as said stranger, and said adjusted identifier generation processing generates an identifier adjusted to accord with said identifier transmitted from the stranger by reading said shared identifier stored in said

memory when receiving an identifier transmission request would have been obvious for the same reasons applied above to claim 2.

Regarding claim 51, said processor executes communication processing of communicating with a privacy protection identifier transmitter of a stranger, wherein said communication processing includes: transmission processing of communicating with said privacy protection identifier transmitter and transmitting said identifier stored in said memory through said identifier storage processing to said privacy protection identifier transmitter of the stranger; receiving processing of receiving an identifier transmitted from said privacy protection identifier transmitter of the stranger; and shared identifier storage processing of storing the identifier received through said receiving processing in said memory and sharing the same identifier with said stranger, and said adjusted identifier generation processing generates said identifier adjusted to accord with the identifier transmitted from the stranger by reading the shared identifier stored in said memory through said shared identifier storage processing when receiving an identifier transmission request would have been obvious for the same reasons applied above to claim 2.

Regarding claim 30, said adjusted identifier generation means includes identifier storage means storing an identifier, for communicating with said privacy protection identifier transmitter of the stranger and making said privacy protection identifier transmitter of the stranger transmit said identifier stored in said identifier storage means while receiving the identifier transmitted from said privacy protection identifier

transmitter of the stranger and making said identifier storage means store the same for sharing the same identifier as said stranger, and said adjusted identifier generation means generates an identifier adjusted to accord with said identifier transmitted from the stranger by reading an said shared identifier stored in said identifier storage means when receiving an identifier transmission request would have been obvious for the same reasons applied above to claim 2.

Regarding claim 55, storing a program for making the computer function as communication means communicating with a privacy protection identifier transmitter of a stranger, wherein said adjusted identifier generation means includes identifier storage means storing an identifier, said communication means includes: transmission means communicating with said privacy protection identifier transmitter of the stranger and transmitting said identifier stored in said identifier storage means to said privacy protection identifier transmitter of the stranger; receiving means receiving an identifier transmitted from said privacy protection identifier transmitter of the stranger; and shared identifier storage means storing the identifier received by said receiving means in said identifier storage means and sharing the same identifier with said stranger, and said adjusted identifier generation means generates a identifier an identifier adjusted to accord with the identifier transmitted from said stranger by reading the shared identifier stored in said identifier storage means through said shared identifier storage means when receiving an identifier transmission request would have been obvious for the same reasons applied above to claim 2.

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11. Claim 11 is rejected under 35 U.S.C. 103(a) as being unpatentable over Weis (Security and Privacy in Radio-Frequency Identification Devices) and Woolley (US 5959568) as applied above and further in view of Juels (US 20040222878)

Juels discloses an analogous art tag privacy and security system and method with additional security by throttling or limiting the maximum tag response rate in (responses per time period) in pars 0017, 0045, 0076.

Regarding claim 11, said communication unit has an inhibition unit inhibiting performance of exchange of said identifiers with the privacy protection identifier transmitter of a stranger with whom communication has been already made for transmitting/receiving and exchanging said identifiers again within a prescribed period would have been obvious in view of the throttling of Juels for additional security.

12. Claims 12,13,52,53,56 and 57 are rejected under 35 U.S.C. 103(a) as being unpatentable over Weis (Security and Privacy in Radio-Frequency Identification Devices), Woolley (US 5959568) and Juels (US 20040222878) as applied above and further in view of Pohja (US 7373109).

Pohja discloses an analogous art tag method and system where a mobile device collects ID of neighboring devices by reading RFID tags (col. 7 lines 7- 60) and communicates the list by phone or email (col. 12 lines 1-10). Note that MSISDN is a GSM phone ID.

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Regarding claims 12, 52 and 56, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have included in the combination applied above

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said communication unit has a telephone function and exchanges mutual identifiers with the privacy protection identifier transmitter of a stranger making communication by telephone, and said variable type identifier generation unit generates an identifier adjusted to accord with an identifier transmitted from said stranger by reading an exchanged identifier stored in said identifier storage unit when receiving an identifier transmission request in view of Pohja disclosing telephone as an obvious alternative manner to communicate collected identifiers.

Regarding claims 13, 53 and 57, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have included in the combination applied above said communication unit has an electronic mail function, transmits an identifier stored in said identifier storage unit to the privacy protection identifier transmitter of the stranger along with transmission of an electronic mail, and receives an identifier transmitted from the privacy protection identifier transmitter of the stranger along with receiving of an electronic mail and stores the same in said identifier storage unit, and said adjusted identifier generation unit generates an identifier adjusted to accord with the identifier transmitted from said stranger by reading the identifier, transmitted from the privacy protection identifier transmitter of the stranger, stored in said identifier storage unit when receiving an identifier transmission request in view of Pohja disclosing

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email as an obvious alternative manner to communicate collected identifiers.

### **Conclusion**

13. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Hind (US 20020116274) discloses a method and system addressing RFID privacy.

### **CONTACT INFORMATION**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Edwin C. Holloway, III whose telephone number is (571) 272-3058. The examiner can normally be reached on M-F from 9:00 to 5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Brian Zimmerman, can be reached on (571) 272-3059.

The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

1/3/2011 (571) 272-3058 /Edwin C. Holloway, III/ Primary Examiner, Art Unit 2612